THE
GRYPHON

OWNERS MANUAL
THE GRYPHON S100

TABLE OF CONTENTS:

Introduction Unpacking	Side 3
Installation AC Power Front panel functions	Side 4
Interconnects Grounding AC Polarity AC fuse AC Cord	Side 5
Rear Panel functions Single ended to Balanced	Side 6
Burn-in & Warm-up Protection system Turn-On Turn-Off PLEASE Maintenance	Side 7
Warranty Warranty registration	Side 8
S100 Lay-out	Side 9
Notes	Side 10

INTRODUCTION

First of all, we would like to thank you for purchasing the Gryphon S100 Amplifier created by Gryphon Audio Designs for the demanding audiophile.
Because of the sophisticated nature of the Gryphon S100 with many original, highly advanced solutions to the problems of home music reproduction, we recommend that you read this manual in its entirety before connecting the S100 to your system.
The Gryphon S100 is a refined product of leading edge technology. This manual will enable you to fully utilize and appreciate its quality.

UNPACKING

Do not do this alone !

Obviously, the purpose of packing materials in the transportation of heavy amplifiers is to protect the product on its perilous journey from manufacturer to proud owner. Unfortunately, in our experience this often results in sprained backs and bleeding fingers at the moment of truth: the uncrating of a hefty power amplifier.

1. Do not lift the box alone., Get the help of a strong friend

2. Do not turn the box upside down.

3. Grip the amplifier by the front and rear handles.

4. With the help of a friend lift the S100 straight up by bending and stretching your legs.

5. Keep all the packing material in a dry place for future use.

INSTALLATION

The S100 is a high current class A/B design and should be placed so that air may circulate freely around the heatsinks. The S100 is equipped with tall feet for free air circulation, even on thick carpets.

AC POWER

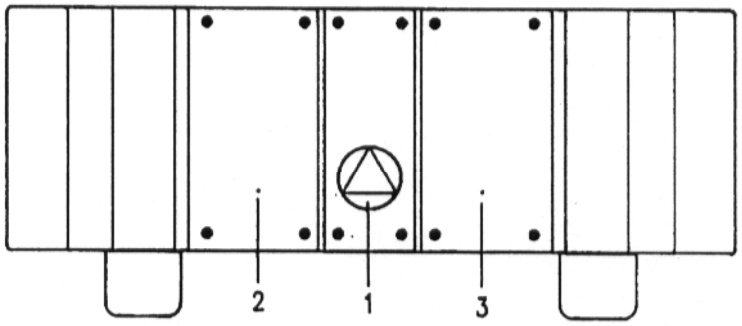
Before installation, you must ensure that sufficient current is available from your domestic AC power supply:

Minimum: 10A for 220/240 V
Minimum: 20A for 100/120 V

The S100 should ideally be connected to a separate AC group independent of other equipment.
The S100 is designed for use with a three-pin AC connection with separate ground, but may in some countries be used with alternative grounding. See section on grounding under rear panel functions (side 6)

Do not run long, thin extension cords.

FRONT PANEL FUNCTIONS



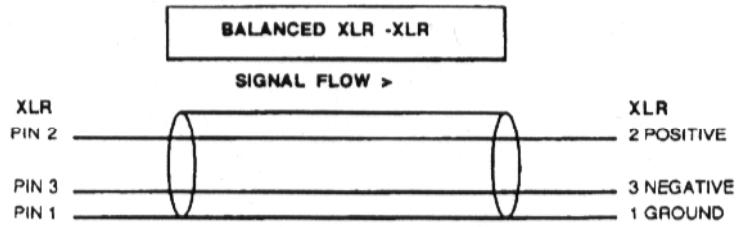
ON/OFF

#1.ON/OFF
Turn off all active circuitry, but there is still AC inside the Amplifier. For full shutdown remove the AC cord at the rear of the amplifier.
When you turn on the S100, the red Gryphon logo will light up.

LEFT AND RIGHT STATUS INDICATORS

#2&3
The 2 green indicators will blink during start-up or if the protection system is activated.

BALANCED TO BALANCED INTERCONNECT



All Gryphon products are wired to European standards:
Pin 1. Ground (shield)
Pin 2. Positive signal
Pin 3. Inverted signal

AC POLARITY

Correct AC polarity can have a profound effect on the playback quality.
The Gryphon S100 should be connected as indicated on the rear of the amplifier.

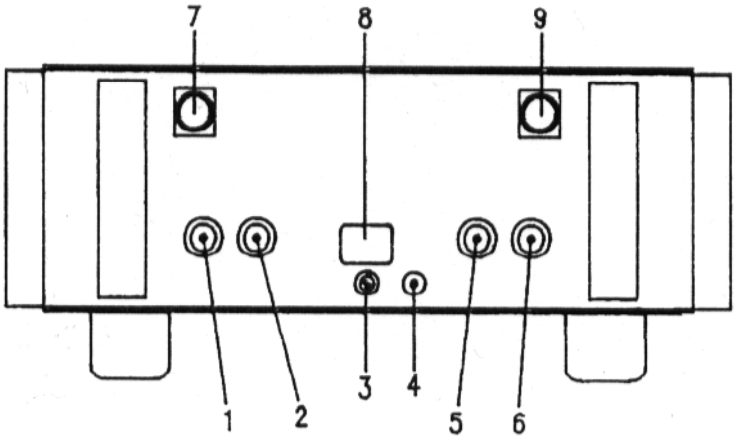
AC FUSE

#4. FUSEHOLDER:
220/240V - 10A Sloblo
100/120V - 20A Sloblo
Always use only fuses of correct value. Fuses must never be bypassed.
Disconnect amplifier from mains before replacing fuses.

AC CORD

#5. AC CONNECTION
Use only a dedicated AC power cord. Do NOT use loudspeaker cable or other wire not expressly designed for carry high current. Improper cable or cables of insufficient gauge will generate heat and the insulation may melt with disastrous results.
AC cords DO have an audible effect on sound quality, but experiments should be carried out with due consideration to safety.

REAR PANEL FUNCTIONS



#1&6. Plus terminals to loudspeaker
The binding posts are custom designed by Gryphon. The special design will provide a tight reliable connection to plugs, lugs or bare wire. Do not use tools or excessive force when tightening the terminals

#2&5. Minus terminals to loudspeaker

#3. AC fuse holder

#4. Grounding post (in locations that do not provide AC ground by the AC outlet, this post may be connected to a true ground. (6 ft. copper pole in the ground). Your Gryphon dealer can advise you if you are in doubt.

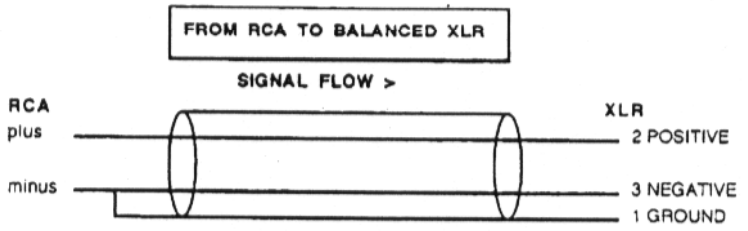
#7&9. Balanced inputs
The S100 provides only balanced inputs. The are no deteriorating RCA standard jacks in parallel with the balanced input.

The Single ended to balanced adaptors provided with the amplifier should only be used as a temporary solution and MUST be replaced with a dedicated balanced cable connection, or a cable that converts single ended to balanced at the output of the preamp.

The balanced input of the power amp will drive the cable in balanced mode providing that the conversion takes place at the start of the cable. (See illustration below)

#8. AC power input

SINGLE ENDED TO BALANCED INTER-CONNECT



BURN-IN & WARM -UP

Your Gryphon S100 has been thoroughly tested and burned in before shipping. Performance will, however, continue to improve during the first 40-50 hours of normal use. After this period, The S100 will reach optimum performance 20-30 minutes after being switched on.

THE GRYPHON S100 PROTECTION SYSTEM

Gryphon has designed a unique comprehensive system with no circuit breakers in the signal path.

DC & HF:
When DC or HF from the source components is detected, the S100 will mute immediately: Normal operation will resume when the error condition is corrected.

OVERHEATING:
When excessive heat dissipation is detected, the thermal sensor will mute the amplifier: Normal operation will resume when the temperature is within safe operating limits.

SHORT CIRCUIT
Special care should be taken at all times to avoid shorting the loudspeaker outputs. If a short circuit should occur, the S100 will open an internal (not user-replaceable) fuse. Contact your dealer/distributor for service.

We are aware that the S100 is the choice of the very experienced audiophile, so please bear with us while we repeat certain ground rules:

TURN ON

TURN ON PROCEDURE:
1. Turn on source components,(Turntable, CD player, etc.)
2. Turn on preamplifier.
3. Allow a few moments for components to stabilize, (tube equipment may require more time).
4. Turn on power amplifier.

TURN OFF

TURN OFF PROCEDURE
1. Turn off power amplifiers.
2. Turn off rest of the system.

PLEASE

ALWAYS TURN OFF OR MUTE THE POWER AMPLIFIER BEFORE CONNECTING OR DISCONNECTING ANY CABLES IN THE SYSTEM.

MAINTENANCE

We take great pride in the finish of every Gryphon product and our meticulous inspection procedures ensure that every product that reaches the consumer lives up to the highest standard humanly possible. Gryphon products are not made by robots on automated assembly lines. The are handcrafted and built by real people who care.

ALUMINIUM surfaces may be cleaned with a damp cloth.

Some products made for restoration of vinyl interiors in cars may prove to be very useful. Make test on non visible surfaces before proceeding with any fluids.

ACRYLIC SURFACES

Acrylic surfaces should only be wiped with a very soft, dry cloth. Small scratches may be removed with fiberglass polish. Fingerprints may be removed with a damp cloth. Do not use spirits or paper tissue.

WARRANTY

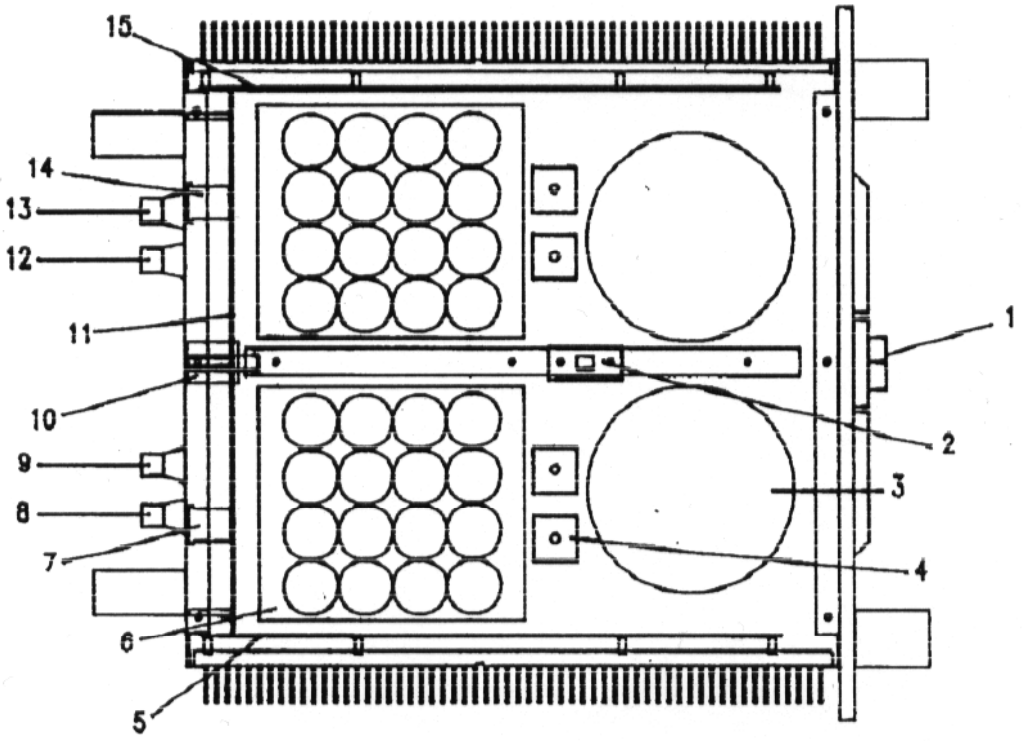
THE GRYPHON

The Gryphon S100 power amplifier is warranted against failures arising through faulty workmanship and materials for a period of 1 year from date of purchase. The warranty is not transferable. All claims under this warranty must be made to the distributor in the buyers country by returning the unit securely packed in the original box with all accessories, postage/freight prepaid and insured. The unit will be repaired or replaced at no charge for parts and labor.
This warranty remains valid only if the serial number of the unit has not been defaced or removed and if repairs are performed only by authorized Gryphon dealers or distributors. It does not cover damage due to misuse, accident or neglect. The distributor or manufacturer, Gryphon Audio Designs, Denmark retains the exclusive right to make such judgement on the basis of inspection.
The retailer, distributor or manufacturer of the Gryphon shall not be liable for consequential damage arising from the use, misuse or failure of this product, including injuries to persons or property.
To qualify, the warranty registration card must be filled out and returned to the manufacturer within 10 day of purchase.

REGISTRATION CARD

The warranty of your Gryphon S100 is effective only if you fill out the enclosed registration card and return it to us. Your comments are highly appreciated. When we receive the card from you, we will send you a small token gift and keep you informed of future product development. Thank you.
If you attend Hi Fi Shows, please look us up. We always welcome the opportunity to meet people who live with our products and share our love of music.

GRYPHON S100
LAY-OUT



1. ON/OFF Switch

2. Voltage selector (not user adjustable)

3. Custom made torodial transformers with magnetic shield between primary and secondary windings.

4. High current bridge rectifiers

5&15. Output boards with 12 high current bipolar output devices per channel.

6. Custom made, low ESR, high performance Gryphon capacitors.

7&14. Balanced, German-made, Neutric input sockets.

8&9&12&13 Custom made Gryphon five-way binding posts.

10.AC Mains input.

11. Input section PCB.

NOTES

GRYPHON AUDIO DESIGNS
Aarhusvej 51, Stilling
8660 Skanderborg, Denmark
FAX 45 86 570533
TEL 45 86 570777